SRI KRISHNA SAI BHUMA

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EDUCATION

Stony Brook University, Stony Brook, NY(*Master of Science, Data Science)*   **May 2025**
Course Work (*Computer Vision, Operating Systems, Data Structures and Algorithms, Database Systems*)   **CGPA : 4.0**
Guru Nanak Institution of Technology and Technical Campus   **July 2023**
Course Work (*Machine Learning, Distributed Systems, Cloud Computing, Neural Networks)*   **CGPA: 3.8**

WORK EXPERIENCE

Software Engineer Intern, *EVA Pvt Ltd*   **May 2024 – Oct 2024**
- Developed and deployed a full-stack web application using React.js, JavaScript, AWS EC2, and S3, improving device security through geo-location-based controls and remote device management across various environments.
- Led front-end development with Figma for UX/UI design, optimizing performance across devices, reducing page load times by 20%, and ensuring a consistent, user-friendly interface adaptable to smartphones and PCs.
- Integrated multiple APIs, including Parental-Control and Google Maps, to enhance functionality and user experience, with secure authentication via AWS Cognito, ensuring seamless and secure real-time interaction between users and the backend.
- Built CRUD APIs for managing geolocation data, user actions, and device history using Node.js, PostgreSQL, and Knex, applying the Factory Design Pattern with over 85% test case coverage. Additionally, Migrate databases from NoSQL to SQL, orchestrating seamless transitions of geo-location data and enhancing data integrity across platforms.

Software Engineer Intern, *Larsen and Toubro Infotech*   **Jan 2023 – Jun 2023**
- Set up and configured cloud-based infrastructure using AWS services (EC2, S3, RDS, VPC) to support cloud application development and deployment. Created technical documentation and demonstrated advanced AWS proficiency, including data optimization with Spark.
- Initiated a personal project to develop a GUI for cloud infrastructure visualization, aiming to enhance operational efficiency and cross-functional communication. This showcases initiative in identifying and addressing operational challenges.
- Identified and resolved cloud infrastructure issues related to geo-location services, reducing system downtime by 40% and improving application performance and availability by 30%.

PROJECTS

Food Ordering System | Full Stack Application | [Github](#) | [Live](#)   *React, Python, Arduino, GUI, Docker, MYSQL*
- Leveraged Docker and Kafka for event orchestration in a Python-based Food Ordering System. Developed a responsive GUI, enhancing user interaction and experience. Utilized Arduino for order processing hardware integration, showing proficiency in embedded systems.
- At the same time, a transaction service processes valid orders, directing related events to the dedicated” order-confirmed” topic, subsequently consumed by communication and analytics services for insights. It aims to establish an efficient and highly accurate ordering process.

Wastage Collection and Transportation|Full Stack Application| [Github](#)   *Java Script, Raspberry- Pi , React, Python, Docker*
- Engineered a Flask-based SaaS web application for efficient waste collection and transportation management. Implemented data visualization for monitoring waste percentages using React, significantly improving application response time by 30% and user engagement by 40%. Integrated Raspberry Pi for real-time data collection and processing, showcasing embedded application development skills.
- Crafted 10 web pages and **CRUD API's** for contracts, cashkicks, users and payments using angular and node js.

Book Discovery |Web Application | [Github](#) | [Live](#)   *React, Node JS, MongoDB, JWT*
- Utilized agile methodologies in the development of a user-focused application for book recommendations and improved IOS development.
- Built responsive web pages and 20+ CRUD API using JAVA for books, users, status, categories, cart, and payments using React, Spring boot..

Eva-X Portal | Web Application | [Github](#) | [Live](#)   *Spring Boot, Cognito, S3, EC2, SQL*
- Engineered a user-centric application that allows over 1000 users to access a list of books, enabling them to track their current reading status, personalized recommendation features to suggest relevant titles based on individual preferences.
- Built responsive web pages and 20+ CRUD API for books, users, status, categories, cart, and payments using react, spring boot.

TECHNICAL SKILLS

Programming Languages: Python,C++,Java, SQL,C#, JavaScript, Shell/Bash Scripting, Golang, Ruby on Rails, Kotlin.
Web Technologies: React, NodeJS, Angular, .NET, TypeScript, RESTful APIs, GraphQL, Django, Flask, Spring Boot, PyTest, JUnit.
Cloud Technologies :   AWS(EC2, S3, Lambda, RDS, Glue, Cloud Watch, EMR), Docker, Load balancer, Google Cloud Platform.
Developer Tools / OS :   Swagger, Story Book, PostMan, VS Code, IntelliJ, GitHub, Windows, Linux, Ubuntu.
Databases / QA :   MySQL, PostgreSQL, MongoDB, Junit, Cypress, Selenium.